

**METHOD AND APPARATUS FOR PROVIDING NETWORK SECURITY  
USING SECURITY LABELING**

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**5      ABSTRACT**

[096]      A method and apparatus for providing network security using security labeling is disclosed. The method includes comparing first security level information and second security level information, and indicating processing to be performed on the packet based on the comparing. The first security level information is stored in a 10 security label of a packet received at a network node, while the second security level information is stored at the network node.